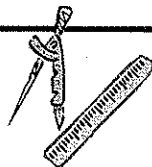
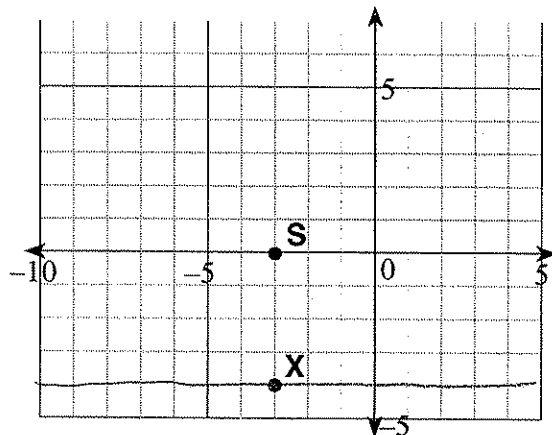


Problems of the Week



Visual

On the map grid shown, the school is at point S and Town Hall is at point X. They are 8 miles apart. Joe's home is located at $(-10, 0)$ on the map. How far does he live from the school?



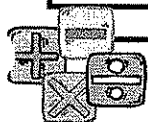
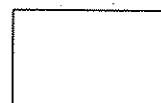
Geometry/ Measurement

The two rectangles shown are similar. The larger one has an area of 72 cm^2 . What is the area of the smaller one?

12 cm



4 cm



Multi-Step

The price of a radio was originally \$48. The price was reduced by 25% and then a clearance sale gave an additional 10% off the sale price. If a buyer must pay 6% tax on the price he pays for the radio, what will his total cost be?



Problem-Solving Strategies

The race track below has ends which are semi-circles. What is the distance around the track?

850 feet



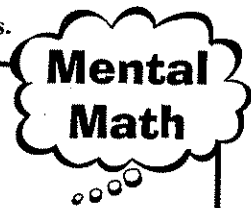
Fraction Action

Marie is making picture frames that are $5\frac{1}{2}$ inches wide and $6\frac{3}{4}$ inches long. She puts silver ribbon around the edge of each one. If she makes 12 of them, how many feet of ribbon will she need?



What Do You Say?

Are all rectangles similar? Explain why or why not.



1. Estimate: $21.13 - 8.7$
2. Estimate: $21.923 + 0.823$
3. Estimate: 5.8×4.1
4. $\frac{2}{7} \times \frac{35}{6}$
5. $71 - 2.8$
6. $2\frac{1}{3} \times \frac{1}{2}$
7. What is the largest prime factor of 100?
8. Find $\frac{3}{4}$ of 160.
9. Find 20% of 1000.
10. Which is the largest: $\frac{1}{3}$, $\frac{1}{2}$, $\frac{4}{9}$, $\frac{6}{13}$?



Keeping Skills Sharp

Write answers here:

- | | |
|--|-----------|
| 1. $4737 + 339 - 184 =$ | 1. _____ |
| 2. $\frac{3}{5} - \frac{1}{3} =$ | 2. _____ |
| 3. $394.063 - 36.49 =$ | 3. _____ |
| 4. 10005 is divisible by which of the following numbers?
2, 3, 4, 5, or 6 | 4. _____ |
| 5. Which is smaller, 1 quart or 3 pints? | 5. _____ |
| 6. A rectangle has a perimeter of 48 inches. Give 3 possibilities for length and width and the area for each case. | 6. _____ |
| 7. Three people in a club are 15 years old and two members are 12 years old. What is the mean age of these members? | 7. _____ |
| 8. $15 - 2 \times (5 \div 3) \div 4 =$ | 8. _____ |
| 9. A class has 16 boys and 8 girls. If a name is drawn at random, what is the probability that a girl's name is drawn? | 9. _____ |
| 10. What is the range of the following set of measurements:
8 m, 12m, 14m, 10m, 12m, 9m, 6m, 9m | 10. _____ |